WEED ABSTRACTS

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WEED ABSTRACTS

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WEED RESEARCH ORGANIZATION OF THE AGRICULTURAL RESEARCH COUNCIL
UNDER THE DIRECTION OF J.D. FRYER

The journal is published monthly by the Commonwealth Agricultural Bureaux as one of a series of abstract journals covering the major branches of agricultural science.

The object of *Weed Abstracts* is to provide factual summaries and reports of the world scientific and technical literature on weeds, weed control and allied subjects as a means of enabling readers to keep abreast of current developments and to act as a concise source of reference.

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Abbreviations

abs.	abstract	hp	horsepower	ppm.	parts per million
a.e.	acid equivalent	in	inch	ppmv.	parts per million by volume
a.i.	active ingredient	in^2	square inch	ppmw.	parts per million by weight
b.p.	boiling point	i.r.	infra-red	pre-em.	pre-emergence
bu	bushel	kcal	kilocalorie	p.t.o.	power take off
°C	degrees Celsius (formerly Centigrade)	kg	kilogramme	pt	pint
conc.	concentrated	LD_{50}	median lethal dose	ref.	references
concn.	concentration	lb	pound	r.h.	relative humidity
cv.	cultivar(s)	lbf/in^2	pounds-force per square inch	s	second
cwt	hundredweight	M	molar concentration	sp.	species
d.b.h.	diameter at breast height	m	metre	spp.	species (plural)
diam.	diameter	m-	milli-(x 10^{-3})	ssp.	subspecies
d.m.	dry matter	μ-	micro (x 10^{-6})	t	tonne (Mg)
dz	Doppelzentner (= 100 kg	μm	micron	temp.	temperature
e.c.	emulsifiable concentrate	m^2	square metre	t.l.c.	thin-layer chromatography
°F	degrees Fahrenheit	m.c.	moisture content	u.l.v.	ultra low volume
ft	foot	mg	milligramme	u.v.	ultra-violet
ft^2	square foot	min	minute	var.	*varietas*
g	gramme	ml	millilitre	vol.	volume
gal	gallon	mm	millimetre	wt	weight
g.l.c.	gas-liquid chromatography	m.p.	melting point	w.p.	wettable powder
h	hour	N	normal concentration	yd	yard
ha	hectare	n	nano-(x 10^{-9})	>	more than
hkg	hectokilogramme	o.m.	organic matter	<	less than
		oz	ounce	±	with or without
		p.	page	%	percent(age)
		post-em.	post-emergence		
		pp.	pages		

Languages

An initial capital denotes the language of the paper, an initial small letter the language of the summary.

Af	Afrikaans	Fi	Finnish	It	Italian	Ru	Russian
Bg	Bulgarian	Nl	Flemish	Ja	Japanese	Sh	Serbo-Croat
Cs	Czech	Fr	French	No	Norwegian	Sk	Slovak
Da	Danish	De	German	Pl	Polish	Es	Spanish
Nl	Dutch	He	Hebrew	Pt	Portuguese	Sv	Swedish
En	English	Hu	Hungarian	Ro	Romanian	Tr	Turkish

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Where abstracts have been taken in their entirety from another source, acknowledgement is made to the source used. An author's original abstract is followed by the words 'From summary'. Where a modified version of an abstract is used, additionally the abstractor's initials are appended.

Unless otherwise stated, rates of application for growth-regulator herbicides such as 2,4-D, MCPA, fenoprop, dalapon, the benzoics, etc. are given as the acid equivalent. Rates for other herbicides such as the ureas, carbamates, triazines, etc. are given as the active ingredient. Rates for the bipyridyls refer to the cation, only.

List of common names and abbreviations used for herbicides and plant growth regulators in *Weed Abstracts*

An asterisk (*) signifies approval by the British Standards Institution (BSI)
A dagger (†) signifies approval by the Weed Science Society of America (WSSA)
A double dagger (‡) signifies approval by the International Organization for Standardization (I.S.O.)
Where the name approved by the WSSA or the I.S.O. differs from that approved by the BSI, the WSSA or I.S.O. name is given in brackets opposite the chemical name, with the appropriate symbol attached.

acetochlor*†	*a*-chloro-*N*-ethoxymethyl-6-ethyl-*o*-acetotoluidide	
acrolein	acrylaldehyde	
alachlor*†	*a*-chloro-2,6-diethyl-*N*-(methoxymethyl)acetanilide	
allidochlor*‡	*N,N*-diallylchloroacetamide	(CDAA†)
ametryne*	4-ethylamino-6-isopropylamino-2-methylthio-1,3,5-triazine	(ametryn†)
aminotriazole	3-amino-1,2,4-triazole	(amitrole†‡)
AMS†	ammonium sulphamate	
ancymidol*	*a*-cyclopropyl-4-methoxy-*a*-pyrimidin-5-ylbenzylalcohol	
anisuron*	*N'*-(3,4-dichlorophenyl)-*N'*-(4-methoxybenzoyl)-*N,N*-dimethylurea	
asulam*†‡	methyl (4-aminobenzenesulphonyl)carbamate	
atraton *†‡	4-ethylamino-6-isopropylamino-2-methoxy-1,3,5-triazine	
atrazine*†‡	2-chloro-4-ethylamino-6-isopropylamino-1,3,5-triazine	
aziprotryne*‡	2-azido-4-isopropylamino-6-methylthio-1,3,5-triazine	
barban*†‡	4-chlorobut-2-ynyl *N*-(3-chlorophenyl)carbamate	
benazolin *‡	4-chloro-2-oxobenzothiazolin-3-ylacetic acid	
benfluralin *‡	*N*-butyl-*N*-ethyl-2,6-dinitro-4-trifluoromethylaniline	(benefin†)
bensulide*†‡	*N*-[2-(*O,O*-di-isopropyldithiophosphoryl)ethyl] benzene sulphonamide	
bentazone*	3-isopropyl-2,1,3-benzothiadiazin-4-one 2,2-dioxide	(bentazon†)
benthiocarb†	*S*-(4-chlorobenzyl)-*N,N*-diethylthiolcarbamate	
benzadox*†	benzamido-oxyacetic acid	
benzoylprop-ethyl*	ethyl *N*-benzoyl-*N*-(3,4-dichlorophenyl)-2-aminopropionate	
benzthiazuron*‡	*N*-(benzothiazol-2-yl)-*N*-methylurea	
bifenox†	methyl 5-(2,4-dichlorphenoxy)-2-nitrobenzoate	
bromacil*†‡	5-bromo-6-methyl-3-(1-methyl-n-propyl) uracil	
bromobonil*	2,6-dibromo-4-cyanophenyl tetrahydrofurfuryl carbonate	
bromofenoxim*‡	3,5-dibromo-4-hydroxybenzaldehyde 2,4-dinitrophenyloxime	
bromoxynil*†‡	3,5-dibromo-4-hydroxybenzonitrile	
brompyrazone*	5-amino-4-bromo-2-phenylpyridazin-3-one	(brompyrazon†)
butachlor*†‡	*N*-(butoxymethyl)-*a*-chloro-2,6-diethylacetanilide	
butam†	*N*-benzyl-*N*-isopropyl-2,2-dimethylpropionamide	
buthiuron*	*N'*-(5-butylsulphonyl-1,3,4-thiadiazol-2-yl)-*N,N'*-dimethylurea	
butralin*†	*N*-s-butyl-4-t-butyl-2,6-dinitroaniline	
buturon*†‡	*N*-(4-chlorophenyl)-*N*-(1-methylprop-2-ynyl)-*N*-methylurea	
butylate*†	*S*-ethyl *N,N*-di-isobutyl(thiocarbamate)	
carbasulam*	methyl *N*-(4-[methoxycarbamoyl] benzenesulphonyl)carbamate	
carbetamide*†‡	D-*N*-ethyl-2-(phenylcarbamoyloxy) propionamide	
CDEA†	*N,N*-diethylchloroacetamide	
chloramben*†‡	3-amino-2,5-dichlorobenzoic acid	
chloranocryl*‡	*N*-(3,4-dichlorophenyl) methacrylamide	(dicryl†)
chlorazine*†	2-chloro-4,6-bisdiethylamino-1,3,5-triazine	
chlorbromuron*†‡	*N'*-(4-bromo-3-chlorophenyl)-*N*-methoxy-*N*-methylurea	
chlorbufam*‡	1-methylprop-2-ynyl *N*-(3-chlorophenyl)carbamate	
chlordane*†	1,2,4,5,6,7,10,10-octachloro-4,7,8,9-tetrahydro-4,7-methyleneindane	
chlorfenac*‡	2,3,6-trichlorophenylacetic acid	(fenac†)
chlorfenprop-methyl*‡	methyl 2-chloro-3-(4-chlorophenyl)propionate	
chlorflurazole*‡	4,5-dichloro-2-trifluoromethylbenzimidazole	
chlorflurecol*‡	2-chloro-9-hydroxyfluorene-9-carboxylic acid	
chlorfluren*	2-chlorofluorene-9-carboxylic acid	
chlormequat*‡	2-chloroethyl-trimethyl-ammonium chloride	(CCC†)
chlornitrofen*	4-nitrophenyl 2,4,6-trichlorophenyl ether	
chloropon*‡	2,2,3-trichloropropionic acid	
chloroxuron*†‡	*N*-4-(4-chlorophenoxy)phenyl-*N,N*-dimethylurea	
chloroxynil*‡	3,5-dichloro-4-hydroxybenzonitrile	
chlorphonium*	tributyl-2,4-dichlorobenzylphosphonium	
chlorprocarb*	3-methoxycarbonylaminophenyl 1-chloromethylpropylcarbamate	
chlorpropham*†‡	isopropyl *N*-(3-chlorophenyl)carbamate	
chlorthal-dimethyl*‡	2,3,5,6-tetrachloroterephthalic acid dimethyl ester	(DCPA†)
chlorthiamid‡	2,6-dichlorothiobenzamide	
chlortoluron*	*N'*-(3-chloro-4-methylphenyl)-*N,N*-dimethylurea	
cisanilide†	2,5-dimethyl-1-pyrrolidine-carboxanilide	
4-CPA*†‡	4-chlorophenoxyacetic acid	
cyanatryn*	4-(1-cyano-1-methylethylamino)-6-ethylamino-2-methylthio-1,3,5-triazine	
cyanazine*†	2-chloro-4-(1-cyano-1-methylethylamino)-6-ethylamino-1,3,5-triazine	
cycloate*†	*N'*-cyclohexyl-*N*-ethyl-*S*-ethyl(thiocarbamate)	
cycluron*†‡	*N'*-cyclo-octyl-*N,N*-dimethylurea	
cyperquat*	1-methyl-4-phenylpyridinium	
cyprazine*†	2-chloro-4-cyclopropylamino-6-isopropylamino-1,3,5-triazine	
cyprazole*†‡	*N*-[5-(2-chloro-1,1-dimethylethyl)-1,3,4-thiadiazol-2-yl] cyclopropanecarboxamide	
cypromid*†‡	3,4-dichlorocyclopropanecarboxanilide	
2,4-D*†‡	2,4-dichlorophenoxyacetic acid	
dalapon*†‡	2,2-dichloropropionic acid	
daminozide*	*N*-dimethylaminosuccinamic acid	
dazomet*†‡	3,4,5,6-tetrahydro-3,5-dimethyl-1,3,5-thiadiazine-2-thione	
2,4-DB*†	4-(2,4-dichlorophenoxy)butyric acid	
DCU†	dichloral urea	

delachlor*†	α-chloro-*N*-(isobutoxymethyl)-2,6-acetoxylidide	
2,4-DEP†	tris-(2,4-dichlorophenoxyethyl)phosphite	
2,4-DES	2-(2,4-dichlorophenoxy)ethyl hydrogen sulphate	(sesone†, disul‡)
desmedipham*†	3-(ethoxycarbonylamino)phenyl *N*-phenyl-carbamate	
desmetryne*	4-isopropylamino-6-methylamino-2-methylthio-1,3,5-triazine	(desmetryn†‡)
di-allate*‡	*S*-2,3-dichloroallyl *N,N*-di-isopropyl(thiocarbamate)	(diallate†)
dicamba*†‡	3,6-dichloro-2-methoxybenzoic acid	
dichlobenil*†‡	2,6-dichlorobenzonitrile	
dichlone*†‡	2,3-dichloro-1,4-naphthaquinone	
dichlorflurenol*	2,7-dichloro-9-hydroxyfluorene-9-carboxylic acid	
dichlormate*†	3,4-dichlorobenzyl *N*-methylcarbamate	
dichlorprop*†‡	(±) 2-(2,4-dichlorophenoxy)propionic acid	
diethamquat*	1,1′-di(diethylcarbamoylmethyl)-4,4′-bipyridyl-1,1′-diylium	
difenoxuron*†‡	*N*′-4-(4-methoxyphenoxy)phenyl-*N,N*-dimethylurea	
difenzoquat*†	1,2-dimethyl-3,5-diphenyl-pyrazolium	
dikegulac*	2,3:4,6-di-*O*-isopropylidene-α-L-xylo-2-hexulofuranosonic acid	
dimethachlor*	α-chloro-*N*-(2-methoxyethyl)-2′,6′-acetoxylidide	
dimethametryn*	2-(1,2-dimethylpropylamino)-4-ethylamino-6-methylthio-1,3,5-triazine	
dimidazon*	4,5-dimethoxy-2-phenylpyridazin-3(2*H*)-one	
dimexan*	di(methoxythiocarbonyl)disulphide	(dimexano‡)
dinitramine*†	N^1,N^1-diethyl-2,6-dinitro-4-trifluoromethyl-*m*-phenylenediamine	
dinofenate*	2,4-dinitrophenyl 2,4-dinitro-6-*s*-butylphenyl carbonate	
dinoprop*‡	2-isopropyl-3-methyl-4,6-dinitrophenol	
dinosam*†	2-(1-methyl-n-butyl)-4,6-dinitrophenol	
dinoseb*†‡	2-(1-methylpropyl)-4,6-dinitrophenol	
dinoterb*‡	4,6-dinitro-2-t-butylphenol	
diphenamid*†‡	*N,N*-dimethyl-αα-diphenylacetamide	
diphenatrile†	diphenylacetonitrile	
dipropalin†	2,6-dinitro-*N,N*-dipropyl-4-methylaniline	
dipropetryn*†	2-ethylthio-4,6-di(isopropylamino)-1,3,5-triazine	
diquat*†‡	9,10-dihydro-8a,10a-diazoniaphenanthrene	
diuron*†‡	*N*′-(3,4-dichlorophenyl)-*N,N*-dimethylurea	
DMPA†	*O*-(2,4-dichlorophenyl) *O*′-methyl *N*-isopropyl phosphoramidothioate	
DNOC*†‡	2-methyl-4,6-dinitrophenol	
DSMA†	disodium methylarsonate	
endothal*	7-oxabicyclo[2,2,1]heptane-2,3-dicarboxylic acid	(endothall†, endothal-sodium[=Na salt‡])
EPTC*†‡	*S*-ethyl *N,N*-dipropyl(thiocarbamate)	
erbon†‡	2-(2,4,5-trichlorophenoxy)ethyl 2,2-dichloropropionate	
ethalfluralin*†	*N*-ethyl-*N*-(2-methylallyl)-2,6-dinitro-4-trifluoromethylaniline	
ethiolate*†	*S*-ethyl diethylthiocarbamate	
ethofumesate*	2-ethoxy-2,3-dihydro-3,3-dimethylbenzofuran-5-yl methylsulphonate	
etinofen*‡	2-ethoxymethyl-4,6-dinitrophenol	
EXD†	di(ethoxythiocarbonyl) disulphide	
fenoprop*‡	(±) 2-(2,4,5-trichlorophenoxy)propionic acid	(silvex†)
fenuron*†‡	*N,N*-dimethyl-*N*′-phenylurea	
fenuron-TCA†	*N,N*-dimethyl-*N*′-phenyluronium trichloroacetate	
flamprop-isopropyl*	isopropyl (±)-2-(*N*-benzoyl-3-chloro-4-fluoroanilino)propionate	
flamprop-methyl*	methyl (±)-2-(*N*-benzoyl-3-chloro-4-fluoroanilino)propionate	
fluchloralin*†	*N*-(2-chloroethyl)-2,6-dinitro-*N*-propyl-4-(trifluoromethyl)aniline	
flumezin*‡	2-methyl-4-(3-trifluoromethylphenyl)-tetrahydro-1,2,4-oxadiazine-3,5-dione	
fluometuron*†‡	*N*′-(3-trifluoromethylphenyl)-*N,N*-dimethylurea	
fluoridamid*	3-trifluoromethylsulphonamido-*p*-acetotoluidide	
fluorodifen*‡	4-nitrophenyl 2-nitro-4-trifluoromethylphenyl ether	
fluoronitrofen*	2,4-dichloro-6-fluorophenyl 4-nitrophenyl ether	
flurecol*†	9-hydroxyfluorene-9-carboxylic acid	(flurenol†)
fluromidine*‡	6-chloro-2-trifluoromethyl-3*H*-imidazo[4,5-*b*]pyridine	
GA	gibberellic acid	
glyphosate*†	*N*-(phosphonomethyl)glycine	
haloxydine*	3,5-dichloro-2,6-difluoro-4-hydroxypyridine	
hexaflurate†	potassium hexafluoroarsenate	
IAA	indolylacetic acid	
IBA	indolylbutyric acid	
iodobonil*	allyl 4-cyano-2,6-di-iodophenyl carbonate	
ioxynil*†‡	4-hydroxy-3,5-di-iodobenzonitrile	
ipazine*†‡	2-chloro-4-diethylamino-6-isopropylamino-1,3,5-triazine	
iprymidam*	2-amino-4-chloro-6-isopropylaminopyrimidine	
isocarbamid*	*N*-isobutylimidazolidin-2-one-1-carboxamide	
isocil*†‡	5-bromo-3-isopropyl-6-methyluracil	
isonoruron*	*N*′-[1 or 2-(hexahydro-4,7-methanoindanyl)]-*N,N*-dimethylurea	
isopropalin*†	4-isopropyl-2,6-dinitro-*N,N*-dipropylaniline	
isoproturon*	*N*′-(4-isopropylphenyl)-*N,N*-dimethylurea	
karbutilate*†	*m*-(3,3-dimethylureido)phenyl t-butylcarbamate	
lenacil*†‡	3-cyclohexyl-6,7-dihydro-1*H*-cyclopentapyrimidine-2,4-(3*H*,5*H*)dione	
linuron*†‡	*N*-(3,4-dichlorophenyl)-*N*-methoxy-*N*-methylurea	
MAMA†	monoammonium methylarsonate	
MCPA*†‡	4-chloro-2-methylphenoxyacetic acid	
MCPA-thioethyl*	*S*-ethyl 4-chloro-2-methylphenoxythioacetate	
MCPB*†‡	4-(4-chloro-2-methylphenoxy)butyric acid	
mecoprop*†‡	(±) 2-(4-chloro-2-methylphenoxy)propionic acid	
medinoterb*‡	4,6-dinitro-5-methyl-2-t-butylphenol	
metamitron*	4-amino-3-methyl-6-phenyl-1,2,4-triazin-5(4*H*)-one	
mesoprazine*	2-chloro-4-isopropylamino-6-(3-methoxypropylamino)-1,3,5-triazine	
metflurazone	4-chloro-5-(dimethylamino)-2-(3-trifluoromethylphenyl)pyridazin-3(2*H*)-one	
methabenzthiazuron*‡	*N*-(benzothiazol-2-yl)-*N,N*′-dimethylurea	
metham*†	*N*-methyldithiocarbamic acid	(metam-sodium [=Na salt]‡)

methazole*†‡	2-(3,4-dichlorophenyl)-4-methyl-1,2,4-oxadiazolidine-3,5-dione	
methiuron*‡	*N,N*-dimethyl-*N'*-(3-methylphenyl)thiourea	
methometon*‡	2-methoxy-4,6-bis(3-methoxypropylamino)-1,3,5-triazine	
methoprotryne*‡	4-isopropylamino-6-(3-methoxypropylamino)-2-methylthio-1,3,5-triazine	
metobromuron*†‡	*N'*-(4-bromophenyl)-*N*-methoxy-*N*-methylurea	
metoxuron*‡	*N'*-(3-chloro-4-methoxyphenyl)-*N,N*-dimethylurea	
metribuzin*†	4-amino-6-t-butyl-3-(methylthio)-1,2,4-triazin-5(4*H*)-one	
mesoprazine*	2-chloro-4-isopropylamino-6-(3-methoxypropylamino)-1,3,5-triazine	
MH†	1,2,3,6-tetrahydro-3,6-dioxopyridazine	
molinate†	*S*-ethyl *N,N*-hexamethylene(thiocarbamate)	
monalide*‡	*N*-(4-chlorophenyl)-2,2-dimethylvaleramide	
monolinuron*†‡	*N'*-(4-chlorophenyl)-*N*-methoxy-*N*-methylurea	
monuron*†‡	*N'*-(4-chlorophenyl)-*N,N*-dimethylurea	
monuron-TCA†	*N'*-(4-chlorophenyl)-*N,N*-dimethyluronium trichloroacetate	
morfamquat*‡	1,1'-bis(3,5-dimethylmorpholinocarbonylmethyl)-4,4'-bipyridylium	
MSMA†	monosodium methylarsonate	
NAA	1-naphthylacetic acid	
napropamide*†	*N,N*-diethyl-2-(α-naphthoxy)propionamide	
naptalam*†‡	*N*-1-naphthylphthalamic acid	
neburon*†‡	*N*-butyl-*N'*-(3,4-dichlorophenyl)-*N*-methylurea	
nitralin*†	4-(methylsulphonyl)-2,6-dinitro-*N,N*-dipropylaniline	
nitrofen*†‡	2,4-dichlorophenyl 4-nitrophenyl ether	
norflurazon*†	4-chloro-5-methylamino-2-(3-trifluoromethylphenyl)pyridazin-3-one	
noruron*‡	*N'*-(hexahydro-4,7-methanoindan-5-yl)-*N,N*-dimethylurea	(norea†)
oryzalin*†	3,5-dinitro-*N*4*N*4-dipropylsulphanilamide	
oxadiazon*†	3-(2,4-dichloro-5-isopropoxyphenyl)-5-t-butyl-1,3,4-oxadiazolin-2-one	
oxapyrazone*	(2-hydroxyethyl)dimethylammonium (4-bromo-2-phenyl-3-pyridazon-5-yl)oxamate	
parafluron*	*N,N*-dimethyl-*N'*-(4-trifluoromethylphenyl)urea	
paraquat*†‡	1,1'-dimethyl-4,4'-bipyridylium	
PCP†	pentachlorophenol	
pebulate*†‡	*S*-propyl *N*-butyl-*N*-ethyl(thiocarbamate)	
penoxalin†	*N*-(1-ethylpropyl)-2,6-dinitro-3,4-xylidine	
pentanochlor*‡	*N*-(3-chloro-4-methylphenyl)-2-methylpentanamide	(solan†)
perfluidone*	4'-(phenylsulphonyl) trifluoromethylsulphono-*o*-toluidide	
phenmedipham*†‡	3-(methoxycarbonylamino)phenyl *N*-(3-methylphenyl)carbamate	
phenmedipham-ethyl*	3-ethoxycarbonylaminophenyl *N*-(3'-methylphenyl)carbamate	
phenobenzuron*	*N'*-benzoyl-*N'*-(3,4-dichlorophenyl)-*N,N*-dimethylurea	
picloram*†‡	4-amino-3,5,6-trichloropicolinic acid	
piperophos*	*S*-2-methyl-1-piperidylcarbonylmethyl *O,O*-di-n-propyl phosphorodithioate	
procyazine*	2-chloro-4-(1-cyano-1-methylethylamino)-6-cyclopropylamino-1,3,5-triazine	
profluralin*†	*N*-(cyclopropylmethyl)-2,6-dinitro-*N*-propyl-4-trifluoromethylaniline	
prometon*†‡	4,6-bisisopropylamino-2-methoxy-1,3,5-triazine	
prometryne*	4,6-bisisopropylamino-2-methylthio-1,3,5-triazine	(prometryn†‡)
propachlor*†‡	α-chloro-*N*-isopropylacetanilide	
propanil*†‡	*N*-(3,4-dichlorophenyl) propionamide	
propazine*†‡	2-chloro-4,6-bisisopropylamino-1,3,5-triazine	
propham*†‡	isopropyl *N*-phenylcarbamate	
propyzamide*‡	3,5-dichloro-*N*-(1,1-dimethylpropynyl)benzamide	(pronamide†)
prosulfalin*†	*N*-(4-dipropylamino-3,5-dinitrophenylsulphonyl)-*S,S*-dimethylsulphimide	
proxan*	isopropyl xanthic acid	(IPX†, proxan-sodium [=Na salt]‡)
prynachlor*†	2-chloro-*N*-(1-methyl-2-propynyl)acetanilide	
pydanon*	(±)-hexahydro-4-hydroxy-3,6-dioxopyridazin-4-ylacetic acid	
pyrazone*	5-amino-4-chloro-2-phenylpyridazin-3(2*H*)-one	(pyrazon†)
pyriclor†	2,3,5-trichloro-4-pyridinol	
quinonamid*	3-chloro-2-dichloroacetamido-1,4-naphthaquinone	
sebuthylazine*	2-chloro-4-ethylamino-6-s-butylamino-1,3,5-triazine	
secbumeton*	4-ethylamino-2-methoxy-6-s-butylamino-1,3,5-triazine	
siduron*†‡	*N*-(2-methylcyclohexyl)-*N*-phenylurea	
simazine*†‡	2-chloro-4,6-bisethylamino-1,3,5-triazine	
simeton*†	4,6-bisethylamino-2-methoxy-1,3,5-triazine	
simetryne*	4,6-bisethylamino-2-methylthio-1,3,5-triazine	(simetryn†‡)
SMA	sodium monochloroacetate	
sulfallate*‡	2-chloroallyl *N,N*-diethyldithiocarbamate	(CDEC†)
swep†	methyl *N*-(3,4-dichlorophenyl)carbamate	
2,4,5-T*†‡	2,4,5-trichlorophenoxyacetic acid	
2,4,5-TB*‡	4-(2,4,5-trichlorophenoxy)butyric acid	
2,3,6-TBA*†‡	2,3,6-trichlorobenzoic acid	
TCA*†‡	trichloroacetic acid	(sodium trichloroacetate [=Na salt]‡)
tebuthiuron*†	*N,N'*-dimethyl-*N*-(5-butyl-1,3,4-thiadiazol-2-yl)urea	
terbacil*†	5-chloro-6-methyl-3-butyluracil	
terbucarb*	2,6-di-t-butyl-*p*-tolyl *N*-methylcarbamate	(terbutol†)
terbuchlor*	*N*-butoxymethyl-α-chloro-6-t-butyl-*o*-acetotoluidide	
terbumeton*	4-ethylamino-2-methoxy-6-t-butylamino-1,3,5-triazine	
terbuthylazine*	2-chloro-4-ethylamino-6-t-butylamino-1,3,5-triazine	
terbutryne*	4-ethylamino-2-methylthio-6-t-butylamino-1,3,5-triazine	(terbutryn†‡)
2,4,5-TES†	2-(2,4,5-trichlorophenoxy)ethyl hydrogen sulphate	
thiazafluron*	1,3-dimethyl-1-(5-trifluoromethyl 1,3,4-thiadazol-2-yl)urea	
TIBA	2,3,5-triiodobenzoic acid	
tri-allate*‡	*S*-2,3,3-trichloroallyl *N,N*-di-isopropyl(thiocarbamate)	(triallate†)
tricamba*†‡	3,5,6-trichloro-2-methoxybenzoic acid	
triclopyr*†	3,5,6-trichloro-2-pyridyloxyacetic acid	
trietazine*†‡	2-chloro-4-diethylamino-6-ethylamino-1,3,5-triazine	
trifluralin*†‡	2,6-dinitro-*N,N*-dipropyl-4-trifluoromethylaniline	
trimeturon*†	*N'*-(4-chlorophenyl)-*O,N,N*-trimethylisourea	
tripropindan*	6-isopropyl-1,1,4-trimethyl-5-propionylindane	
vernolate†	*S*-propyl *N,N*-dipropyl(thiocarbamate)	

ERRATA

(lines are counted from the beginning of the bibliographic data in each item.)

Volume 22

Page	*Abstract*	*Line*	
74	697	1	For 'EAKKE, J. E.' read 'BAKKE, J. E.'
243	2305	2	For '(1973)' read '(1972)'

Volume 24

148	1339	19	After 'deflector nozzles be used' insert 'and at low pressures'
169	1541	16	For '*chondrilla*' read '*chondrillina*'
233	2089	8	For '*Panicum maximum*' read '*Panicum repens*'
197	1769	4	For '9' read '10'
286	2556	7	For 'concentrate' read 'concrete'

Volume 25

34	330	1	For 'SKYLAKIS, G.' read 'SKYLAKAKIS, G.'
53	497	13	Insert 'lenacil at 1.22 kg/ha was safe. Linuron at 1 kg/ha and' after the word 'but'
55	511	14	For '0.8 kg/ha' read '0.8 + asulam 3.4 kg/ha'
99	912	14	Insert 'in the first 2 weeks' after 'rainfall'
110	1018	15	For 'felling at ground level with a chain saw' read 'burning or applying diesel oil ± 2,4,5-T'
144	1338	7	Delete the repetition of 'carbon dioxide'
155	1433	25	For 'nutrification' read 'nitrification'
181	1664	10-11	Delete 'regrowth was only from about 40 tubers at a depth of 20 cms.' and insert 'neither was there any regrowth from tubers dug from depths of up to 20 cm when these were set to germinate in the glasshouse.'
195	1785	8	For 'methylsulphonylamino' read 'trifluoromethylsulphonylamino'
215	1961	1	Insert '[VANSTALLEN, R.]' after 'STALLEN, R. VAN'
233	2138	9	For 'The order' read 'The cation order'
251	2297	5&11	For 'quinomid' read 'quinonamid'
274	2485	35-41	From '1406. In addition' to 'at 1.5 kg/ha was slight' all this section to be printed in roman and not italic type.
301	2732	4	For '*Agricultural*' read '*Analytical*'
302	2741	4	For '*Agricultural*' read '*Analytical*'
328	2964	14	After 'development' insert 'in liquid culture or soil. Dinoseb reduced hyphal development'
363	3252	7	For '(*N,N*-diallylchloroacetamide)' read '(*N,N*-diallyl-2,2-dichloroacetamide)'
387	3500	14	Insert 'water' between 'the' and 'molecules'